


BENJAMIN HAWKINS  
U.S.  
10/18/43 Out.  
U.S. COAST GUARD

# S.S. BENJAMIN HAWKINS.

B.-F. HULL 2063



COMPARTMENT		GRAIN CAP	BALE CAP.
OLD No.1	HOLD TWEEN DECKS	41257 43143	36083 39565
OLD No.2	HOLD TWEEN DECKS	98880 46744	92008 42630
OLD No.3	HOLD TWEEN DECKS	68459 27970	59793 23904
OLD No.4	HOLD TWEEN DECKS	58841 35277	52574 29689
OLD No.5	HOLD TWEEN DECKS	58620 34570	51571 30854
EEP TANKS	No.1P.	3639	2729
	No.1S.	3639	3004
	No.2P.	7473	5294
	No.2S.	7473	5578
	No.3P.	13674	12506
	No.3S.	13188	12024
	<b>TOTAL</b>	<b>562827</b>	<b>499816</b>

WATER BALLAST		CU. FT.	TONS@ 35 C.F.T.
	TANK		
FORE PEAK		5073	145
WATER BALLAST	No. 1	5029	144
-	No. 2P.	5967	170
-	No. 2S.	5967	170
-	No. 3P.	4400	126
-	No. 3S.	4365	125
-	No. 5P.	4391	125
-	No. 5P.	4391	125
-	No. 6	4118	118
AFTER PEAK-CULINARY	WATER	5438	155
DEEP TANKS	No. 1P.	3973	114
-	No. 1S.	3973	114
-	No. 2P.	7340	210
-	No. 2S.	7340	210
-	No. 3P.	13540	387
-	No. 3S.	13065	373
	TOTAL	98370	2811

FRESH WATER			
TANK	GAL'S	TONS @ 35CF	
RESERVE FEED	No. 4P	17855	66
" "	No. 4S	17855	66
FRESH WATER	FR. 108-113P	7541	28
" "	FR. 108-113S.	7541	28
	<b>TOTAL</b>	<b>50792</b>	<b>188</b>

TANK		GAL'S	TON'S @ 2300
FUEL OIL TANK	No. 1	36863	132
" "	No. 2P	43742	157
" "	No. 2S	43742	157
" "	No. 3P	32251	116
" "	No. 3S	31955	115
" "	No. 5P	32185	116
" "	No. 5S	32185	116
" "	No. 6	30183	108
TOTAL		283106	1017
F.O. SETTLING TANK FR. 88-96P		14083	51
" " " FR. 88-96S		14083	51
TOTAL		28166	102
CARGO OIL OR FUEL OIL			
DEEP TANK	No. 3P	99257	356
" "	No. 3S	95772	344
TOTAL		195029	700
TOTAL (ALL F.O.)			1819

<u>PRINCIPAL DIMENSIONS</u>	
L.O.A.	441'-7 1/2"
L.B.P. (25'-3 3/4" W.L.)	416'-0"
BREADTH, MLD.	56'-10 3/4"
BREADTH, EXTREME	57'-1 1/4"
DEPTH TO UPPER DECK, MLD.	37'-4"
DEPTH TO SECOND DECK, MLD.	28'-7"
PPA. LT.	97'-9 1/2"

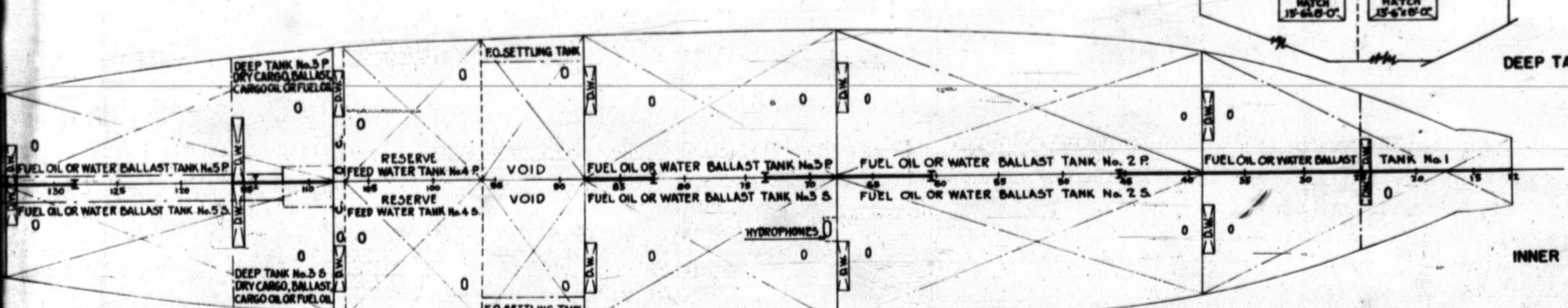
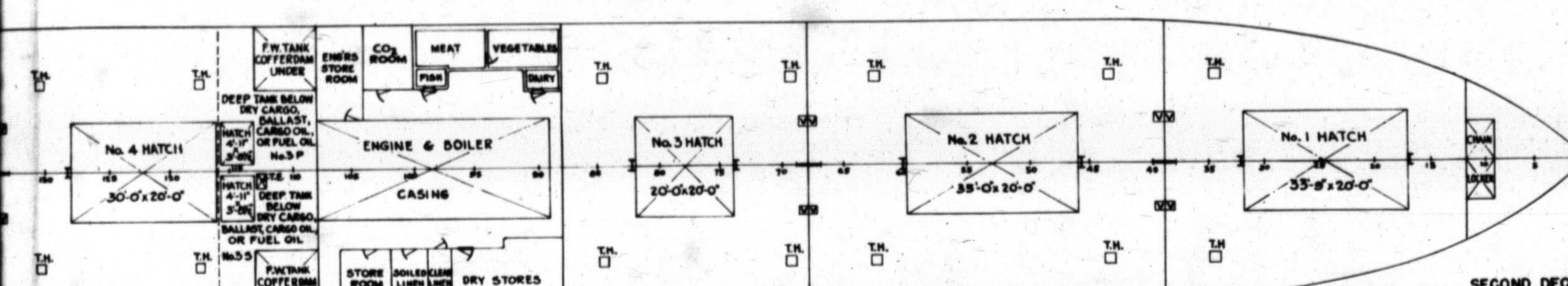
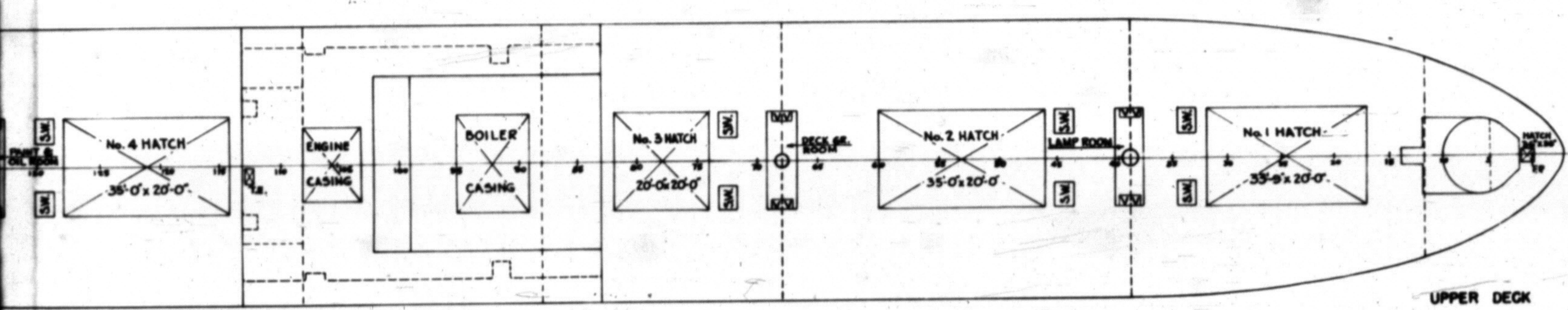
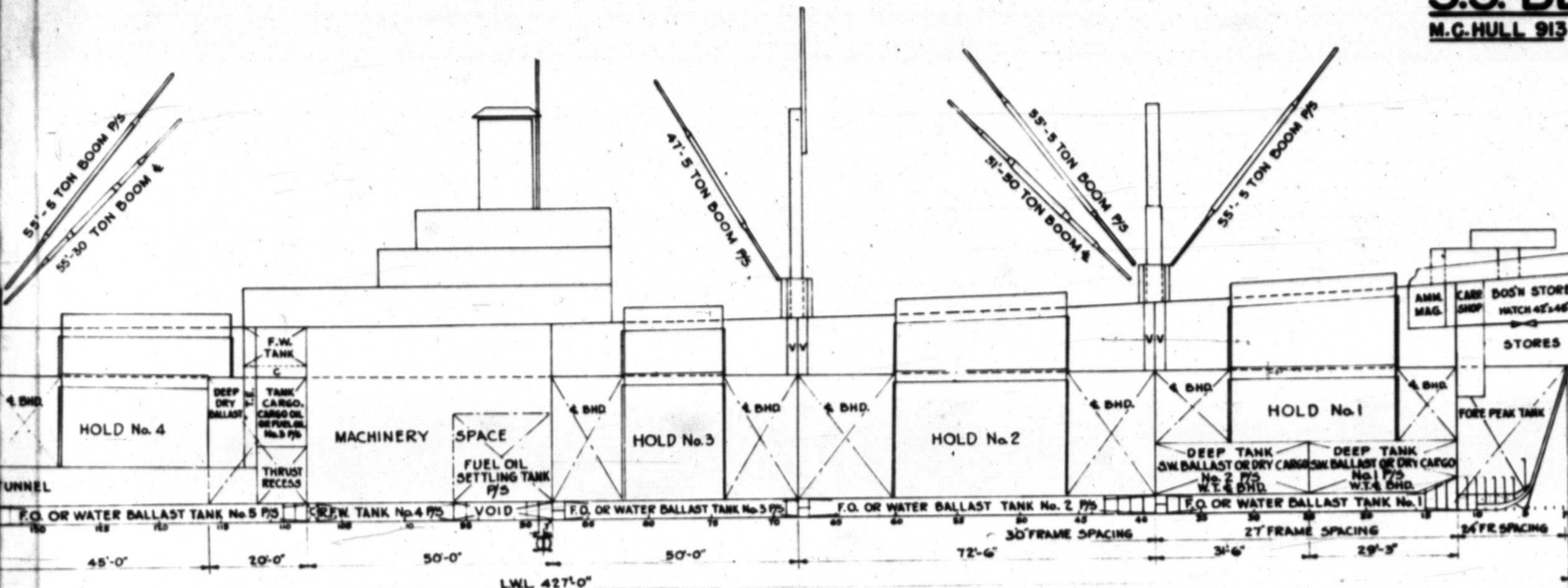
DRAFT 27-9 $\frac{1}{4}$ "  
 CAPACITIES & TYPES OF WINCHES  
 7 $\frac{1}{2}$ x12" DBL. GEARED WINCHES FOR 5 & 30 TON BOOMS  
 9x12" " " WINCH FOR 50 TON BOOM  
 HEIGHTS OF MASTS  
 FIXED MAST ABOVE DECK FOREMAST 40'-3 $\frac{1}{4}$ "  
 " " " FR.68 42'-11 $\frac{3}{4}$ "  
 " " " FR.134 42'-2 $\frac{3}{4}$ "  
 TELESCOPIC " " FR.68 62'-11 $\frac{3}{4}$ "  
 " " " FR.134 72'-2 $\frac{3}{4}$ "

FR. 134 62-2716  
**ENGINE**  
**DIRECT ACTING CONDENSING THREE CYLINDER TRIPLE EXPANSION ENGINE DEVELOPING 2500 I.H.P. AT 76 R.P.M.**  
**BOILERS**  
**TWO MAIN BOILERS OF THE CROSS DRUM SECTIONAL SINUOUS HEADER STRAIGHT TUBE TYPE FITTED WITH SUPER HEATERS, BURNING BUNKER "C" FUEL OIL**

# S.S. BENJAMIN HAWKINS.

**M.G. HULL S**

**B.F. HULL 2063**



ABBREVIATION

TE.— TUNNEL ESCAPE  
TH.— TRIMMING HATCH  
DW.— DRAIN WELL  
SW.— STEAM WINCH  
V.— VENT TRUNK  
C.— COFFERDAM

A technical drawing of a flat bet. It features a large triangle pointing to the right. Inside the triangle, there is a smaller, solid black triangle. The text "HATCH 45° x 45°" is written above the smaller triangle. To the left of the triangle, there is a small rectangular box with a cross inside, and the number "4" is written below it. To the right of the triangle, there is a small rectangular box with a cross inside, and the number "1" is written below it. The drawing is on a white background with some faint horizontal lines.

STORE ROOM	CU. FT
STORES ON 2nd DECK F.P. TO FR. 12	3034
STORES ON FLAT BET. 2nd & UPP. DKS.	3492
STORES 2nd DK. (FRS. 88-106)	4329
LOCKER	585
ED STORES	186
<u>REFRIGERATED STORES:</u>	
	801
	173
	768
	176

CARGO		COMPARTMENT	GRAIN CAP.	BALE CAP.
HOLD	No.1	HOLD TWEEN DECKS	41257 43143	36083 39565
HOLD	No.2	HOLD TWEEN DECKS	98880 45744	92008 42630
HOLD	No.3	HOLD TWEEN DECKS	68459 27970	59793 23904
HOLD	No.4	HOLD TWEEN DECKS	58841 35277	52574 29689
HOLD	No.5	HOLD TWEEN DECKS	58620 34570	51571 30864
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-	-	No.1S.	3639	3004
-	-	No.2P.	7473	5294
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-	-	No.3P.	13674	12506
-	-	No.3S.	13188	12024
		TOTAL	562827	499816

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TOTAL		98370	2811

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" "	FR.88-96S.	14083	51
TOTAL		28166	102
CARGO OIL OR FUEL OIL			
DEEP TANK	No. 3P.	99257	356
" "	No. 3S.	95772	344
TOTAL		195029	700
TOTAL (ALL FO)		506301	1819

<u>PRINCIPAL DIMENSIONS</u>	
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DEPTH TO SECOND DECK, MLD.	28' 7"
DRAFT	27' 9 1/4"

TELESCOPIC - - - - - FR. 68 62'-11 1/4"   
 - - - - - FR. 134 62'-2 1/4"   
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**DIRECT ACTING CONDENSING THREE CYLINDER TRIPLE EXPANSION ENGINE DEVELOPING 2500 I.H.P. AT 76 R.P.M.**   
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**TWO MAIN BOILERS OF THE CROSS DRUM SECTIONAL SINUOUS HEADER STRAIGHT TUBE TYPE FITTED WITH SUPER HEATERS, BURNING BUNKER "C" FUEL OIL**

DEADWEIGHT SCALE			
DEADWEIGHT S.W.	DRAFT	DISPLACEMENT S.W.	TONS PER INCH
11000	28	14257	49
10000	27	14000	48.5
9000	26	13000	48
8000	25	12000	47.5
7000	24	11000	47
6000	23	10000	46.5
5000	22	9000	46
4000	21	8000	45.5
3000	20	7000	45
2000	19	6000	44.5
1000	18	5000	44
0	17	4000	43.5
0	16	3000	43
0	15	2000	42.5
0	14	1000	42
0	13	0	41.5
0	12	0	41
0	11	0	40.5
0	10	0	40
0	9	0	39.5
0	8	0	39

Technical drawing of a top plate assembly. The drawing shows a circular base with a horizontal slot labeled 'A' at the left end. A vertical slot labeled 'B' is located on the right side of the base. A vertical post labeled 'F' extends from the top of the base. To the right of the post, a vertical frame labeled 'S' is attached. The frame has a horizontal slot labeled 'T' at the top and a vertical slot labeled 'W' at the bottom. A horizontal slot labeled 'X' is located at the bottom right. A vertical dimension line on the left indicates a height of  $14\frac{1}{8}''$  from the base to the top of the post. A horizontal dimension line on the right indicates a width of  $1\frac{1}{4}''$  for the vertical frame 'S'.

THE LIGHT WEIGHT OF THE SHIP GIVEN INCLUDES:  
AMMUNITION & BALLAST.

**DESIGN NO. EC2-S-C1**

# UNITED STATES MARITIME COMMISSION EMERGENCY SHIP CONSTRUCTION DIVISION

## CAPACITY PLAN

SCALE $1\frac{1}{2}$ " = 1'-0" -----	DATE <u>SEPT. 15, 1942.</u>
DRAWN <u>P.F.R.</u> -----	APPROVED <u>JKR</u> -----
RECHECKED <u>E.F.C. - L.E.H.</u> -----	APPROVED -----
	APPROVED -----
	APPROVED -----

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CE PLAN NO 97-1022 S29-1st-61

APPROVED AS NOTED IN  
LETTER DATED OCTOBER 20, 1942  
FILE NO. 529- (M)